

IN THE CLAIMS

Please cancel Claims 1-4, 6, 7, 9, 11-13, and 15-23, without prejudice, and amend Claims 5 and 14, herewith:

1-4. (Cancelled)

5. (Currently Amended) ~~The catheter according to claim 4,~~

A catheter useful for non-surgical entry into a uterus to dispense a diagnostic fluid therein, the catheter comprising:

a tubular body having a single lumen extending from a first end thereof to a second end thereof, the lumen having an external opening adjacent the first end for dispensing a diagnostic fluid into the interior of a subject uterus; and

a balloon disposed marginally adjacent to the first end of the body for fluid sealing the interior of the subject uterus;

the lumen having a second opening in fluid communication with the interior of the balloon for inflation thereof with the diagnostic fluid;

wherein the external opening adjacent the first end generates a back-flow within the lumen which causes the fluid to enter and inflate the balloon through the second opening;

wherein the balloon can be sequentially inflated into first and second predetermined shapes;

wherein the first predetermined shape is substantially elliptical and the second predetermined shape is substantially spherical.

6-13. (Cancelled)

14. (Currently Amended) ~~The catheter apparatus of Claim 13,~~ A catheter apparatus useful for non-surgical entry into a uterus to dispense a diagnostic fluid therein, the catheter apparatus comprising:

a catheter;

a syringe for delivering the diagnostic fluid into the catheter;

the catheter having a balloon disposed marginally adjacent to a first end thereof for fluid sealing the interior of the subject uterus, a single lumen extending from the first end to a second end of the catheter, the lumen having an external opening adjacent the first end for dispensing the diagnostic fluid into the interior of a subject uterus and a second opening in fluid communication with the interior of the balloon for inflation thereof with the diagnostic fluid;

wherein the external opening adjacent the first end generates a back-flow within the lumen which causes the fluid to enter and inflate the balloon through the second opening;

wherein the balloon can be sequentially inflated into first and second predetermined shapes; and

wherein the first predetermined shape is substantially elliptical and the second predetermined shape is substantially spherical.

15-23. (Cancelled)